



TRANSMITTAL LETTER			Case No. 4865-133
Serial No. 10/693,425	Filing Date October 24, 2003	Examiner not yet assigned	Group Art Unit not yet assigned
Inventor(s) Thomas D. Nixon, et al.			
Title of Invention BORON CARBIDE-BASED CERAMIC MATRIX COMPOSITES			

TO THE COMMISSIONER FOR PATENTS

Transmitted herewith is an Information Disclosure Statement, Form PTO-1449, Two (2) Other Art References, and a Return Postcard.

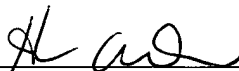
- ☐ Small entity status of this application under 37 CFR § 1.27 has been established by verified statement previously submitted.
- ☐ Applicant claims small entity status. See 37 CFR 1.27.
- ☐ Petition for a \_\_\_\_\_ month extension of time.
- ☐ No additional fee is required.
- ☐ The fee has been calculated as shown below:

	Claims Remaining After Amendment		Highest No. Previously Paid For	Present Extra
Total		Minus		
Indep.		Minus		
First Presentation of Multiple Dep. Claim				

Small Entity		or	Other Than Small Entity	
Rate	Add'l Fee		Rate	Add'l Fee
x \$9 =			x \$18 =	
x 43 =			x \$86 =	
+ \$145 =			+ \$290 =	
Total add'l fee	\$		Total add'l fee	\$

- ☐ Please charge Deposit Account No. 23-1925 (BRINKS HOFER GILSON & LIONE) in the amount of \$\_\_\_\_\_. A duplicate copy of this sheet is enclosed.
- ☐ A check in the amount of \$\_\_\_\_\_ to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this communication or credit any overpayment to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.
- ☒ I hereby petition under 37 CFR § 1.136(a) for any extension of time required to ensure that this paper is timely filed. Please charge any associated fees which have not otherwise been paid to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.

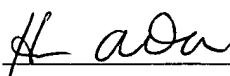
Respectfully submitted,

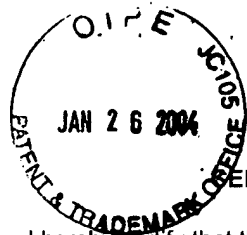
  
\_\_\_\_\_  
Helen A. Odar

Registration No. 32,806  
Attorney for Applicant  
Customer No. 00757 - Brinks Hofer Gilson Lione

BRINKS HOFER GILSON & LIONE  
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CHICAGO, ILLINOIS 60610  
(312) 321-4200

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail, with sufficient postage, in an envelope addressed to:  
Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on January 21, 2003.

Date: 1/21/03 Signature: 



**CERTIFICATE OF MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope, with sufficient postage, addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

1/21/04

Date of Deposit

Helen A. Odar, Reg. No. 32,806

Name of Applicant, Assignee or  
Registered Representative

H A Odar

Signature

1/21/04

Date of Signature

Our Case No.: 4865-133

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

Thomas D. Nixon, et al.

Serial No.: 10/693,425

Filing Date: October 24, 2003

For: CERAMIC MATRIX COMPOSITES

Examiner: not yet assigned

Group Art Unit No.: not yet assigned

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
Mail Stop DD  
Alexandria, VA 22313-1450

Dear Sir:

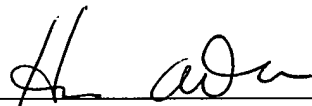
In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on the attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R. § 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

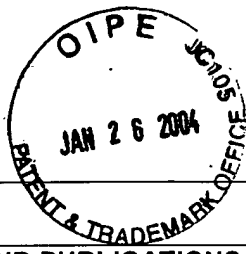
This Information Disclosure Statement is being filed prior to the receipt of the first Official Action reflecting an examination on the merits and hence is believed to be timely filed in accordance with 37 C.F.R. § 1.97(b). No fees are believed to be due in connection with filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these material, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925.

Applicant(s) respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,

  
\_\_\_\_\_  
Helen A. Odar  
Registration No. 32,806  
Attorney for Applicant(s)

BRINKS HOFER GILSON & LIONE  
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FORM PTO-1449	SERIAL NO. 10/693,425	CASE NO. 4865-133
<b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b>	FILING DATE October 24, 2003	GROUP ART UNIT not yet assigned
(use several sheets if necessary)		APPLICANT(S): Thomas D. Nixon, et al.

# REFERENCE DESIGNATION

# U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	A1	4,790,052	06/23/86	Orly		
	A2	4,815,572	07/24/87	Froberg, et al.		
	A3	4,886,682	12/12/89	Singh et al.		
	A4	4,889,686	12/26/89	Singh et al.		
	A5	4,915,760	04/10/90	Singh et al.		
	A6	4,931,311	06/05/90	Singh et al.		
	A7	4,944,904	07/31/90	Singh et al.		
	A8	4,981,822	01/01/91	Singh et al.		
	A9	5,007,508	04/15/91	Lacombe		
	A10	5,021,367	06/04/91	Singh et al.		
	A11	5,043,303	08/27/91	Singh et al.		
	A12	5,051,301	09/24/91	Singh et al.		
	A13	5,067,998	11/11/91	Singh et al.		
	A14	5,160,676	11/03/92	Singh et al.		
	A15	5,217,770	06/08/93	Morris Jr. et al.		
	A16	5,296,311	03/22/94	McMurtry et al.		
	A17	5,312,660	05/17/94	Morris et al.		
	A18	5,330,854	07/19/94	Singh et al.		
	A19	5,376,427	12/27/94	Singh et al.		
	A20	5,387,299	02/07/95	Singh et al.		
	A21	5,407,734	04/18/95	Singh et al.		
	A22	5,432,253	07/11/95	Singh et al.		
	A23	5,436,042	07/25/95	Lau et al.		
	A24	5,480,678	01/02/96	Rudolph et al.		
	A25	5,484,655	01/16/96	Lau et al.		
	A26	5,515,585	05/14/96	Sheehan et al.		
	A27	5,546,850	08/20/92	Ronyak et al.		
	A28	5,581,857	12/10/96	Sheehan et al.		
	A29	5,643,514	07/01/97	Chwastiak et al.		
	A30	5,662,855	09/02/97	Liew et al.		
	A31	5,688,577	11/18/97	Smith et al.		
	A32	5,740,593	04/21/98	Sheehan et al.		
	A33	5,792,715	08/19/98	Duval et al.		
	A34	5,817,432	10/06/98	Chwastiak et al.		
	A35	5,840,221	11/24/98	Lau et al.		
	A36	5,853,485	12/29/98	Rudolph et al.		

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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EXAMINER INITIAL		DOCUMENT NUMBER <small>Number-Kind Code (if known)</small>	DATE	NAME	CLASS/ SUBCLASS	FILING DATE
	A37	5,858,890	01/12/99	Sheehan et al.		
	A38	5,869,411	02/09/99	Bazshushtari et al.		
	A39	5,878,849	03/09/99	Prunier, Jr. et al.		
	A40	5,908,792	06/01/99	Sheehan et al.		
	A41	5,945,062	08/31/99	Chwastiak et al.		
	A42	6,029,327	02/29/00	Sheehan et al.		
	A43	6,237,203	05/29/01	Sheehan et al.		
	A44	6,309,703	10/30/01	Wapner et al.		
	A45	6,405,417	01/18/02	Sheehan et al.		

EXAMINER INITIAL	OTHER ART – NON PATENT LITERATURE DOCUMENTS <small>(Include name of author, title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.)</small>	
	A46	R.W. Froberg and B.A. Grider, "High Friction Carbon/Carbon Aircraft Brakes," 40 <sup>th</sup> Int. SAMPE Symp. 05/08/95, Extended Abstracts, pages 942-944
	A47	W. Krenkel "CMC Materials for High Performance Brakes," ISTA Conference on Supercars, Aachen 10/31 – 11/04/94 (paper from the German Aerospace Research Establishment Institute of Structures and Designs), Stuttgart, Germany

EXAMINER	DATE CONSIDERED
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